

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/030855 A3

(51) International Patent Classification⁷: C08K 5/1575, 5/24, C08L 23/10 (74) Common Representative: CIBA SPECIALTY CHEMICALS HOLDING INC.; Patent Department, Klybeckstrasse 141, CH-4057 Basel (CH).

(21) International Application Number:
PCT/EP2004/052263

(22) International Filing Date:
22 September 2004 (22.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03103633.8 1 October 2003 (01.10.2003) EP
03103714.6 7 October 2003 (07.10.2003) EP
03103871.4 20 October 2003 (20.10.2003) EP
04102809.3 18 June 2004 (18.06.2004) EP

(71) Applicant (for all designated States except US): CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): STOLL, Klaus [DE/DE]; Am Sonnenrain 18, 79589 Binzen (DE). HIRT, Urs [CH/CH]; Langmattstrasse 1, CH-4132 Muttenz (CH). VAN DE LANGKRUIS, Judy [ZA/CH]; Gartenweg 3, CH-4145 Gempen (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

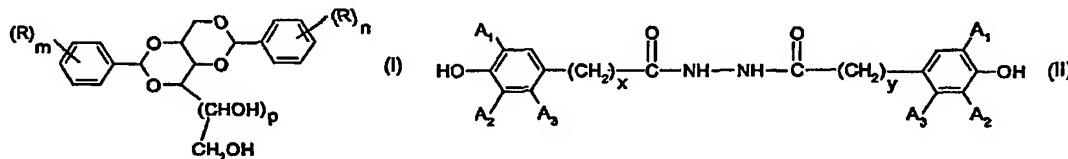
Published:

— with international search report

(88) Date of publication of the international search report:
23 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADDITIVE MIXTURES



WO 2005/030855 A3

(57) Abstract: An additive mixture containing the components (A), (B) and optionally (C), wherein component (A) is at least one compound of the formula (I) wherein p is zero or 1; m and n are independently of one another an integer from zero to 3; and the radicals R are independently of one another C₁-C₈alkyl, C₁-C₈alkoxy, hydroxy, halogen, C₁-C₈alkylthio, C₁-C₈alkylsulfoxide or 2 radicals R form together with 2 adjacent carbon atoms of the unsaturated parent ring a 5- to 7-membered carbocyclic or heterocyclic ring; component (B) is at least one compound of the formula (II) wherein x and y are independently of one; another an integer from 2 to 10; the radicals A₁, A₂ and A₃ are independently of one another C₁-C₁₀alkyl, C₅-C₁₂cycloalkyl unsubstituted or substituted by 1 to 3 C₁-C₁₀alkyl; phenyl unsubstituted or substituted by 1 to 3 C₁-C₁₀alkyl; or C₇-C₁₂phenylalkyl, and the radicals A₂ and A₃ are additionally hydrogen; with the proviso that at least one of the radicals A₁ and A₂ is branched C₃-C₁₀alkyl, C₅-C₁₂cycloalkyl unsubstituted or substituted by 1 to 3 C₁-C₁₀alkyl; phenyl unsubstituted or substituted by 1 to 3 C₁-C₁₀alkyl; or C₇-C₁₂phenylalkyl; and component (C) is a lubricant or a mixture of lubricants.